

DALYKAS: Anglų kalba

KLASĖS: 7–11

PAMOKOS TIKSLAS

Mokiniai gebės pristatyti, kokie sprendimai gali būti naudojami, siekiant nešvaistyti ir atsakingai vartoti energiją.

SĄSAJA SU MOKOMUOJU DALYKU

Kalbos vartojimo kontekstai.

SUDOMINIMAS

Trukmė 7 min.

Pamokos pradžioje žiūrimas vaizdo įrašas.

KERTINĖS SAŲOKOS

Energy conservation;
Passive house.

PAMOKOS GAIRĖS

I modulis

Trukmė 33 min.

Pateiktos 5 užduotys:

1. Atsakyti į pateiktus klausimus
2. Įrašyti trūkstantus žodžius
3. Sujungti žodžius
4. Atsakyti į pateiktus klausimus
5. Parašyti tekstą

Apibendrinimas

Trukmė 5 min.

Kartu su mokiniais aptariama, kaip galima taupyti energiją bei kokių sprendimų galima laukti ateityje.

KAIP SUŽINOSIU, KAD PAVYKO PASIEKTI TIKSLĄ?

Mokiniai aktyviai dalyvaus apibendrinimo diskusijoje.





Sudominimas

Trukmė 7 min.

1. Pamokos pradžioje peržiūrimas [vaizdo įrašas](#).



Detali pamokos eiga

Trukmė 33 min.

Visos užduotys yra pateiktos Task sheet, o visi atsakymai Answer sheet.

2. **I užduotis.** Answer the questions provided.

3. **II užduotis.** Fill in the gaps with the words provided below:

Carbon, certification, elements, freezing, insulation, occupants, reduction, temperature, ventilation.

4. **III užduotis.** After reading the text, match the words in separate columns.

5. **IV užduotis.** After reading the text, answer the questions provided.

6. **V užduotis.** After watching the video and reading the text, write a short passage (max 100 words) about your energy efficient future home. Think about the ways that you could save energy there. Present it to the class.



Apibendrinimas

Trukmė 5 min.

7. Discuss with the class on what can you do to save energy now and what possibilities in your opinion does the future hold?

8. Teacher notes. Ways to save energy now:

- A. Prioritise energy from renewable sources
Consuming green electricity from solar power plants contributes to a cleaner environment and reduces electricity bills.
- B. Choose energy-efficient cooling and heating systems that are maintained/cleaned
Cooling and heating systems should be checked and cleaned once a year. Unmaintained systems are less efficient. This not only increases your bills, but also pollutes the environment more.
- C. Use and maintain appliances with a high energy rating (A-G)
Use eco-programmes installed in your appliances. They can save between 30 and 45% of energy.
- D. Use energy-saving features on smart devices
When you use your phone, computer or tablet, turn on the power saving function at least sometimes - your battery will last longer and need less charging.
- E. Analyse your electricity consumption
One of the most effective ways to save household electricity is to change people's habits, adapting them to optimum consumption.
- F. Switch off and unplug unused appliances
Even appliances that are in standby mode waste energy, so this solution will help you save money and ensure safety.
- G. Do not block windows
Sunlight is free. Try to make the most of it by keeping your windows uncluttered and uncongested.
- H. Choose sustainable transport, less polluting transport (e.g. electric cars)
Move in a sustainable way: leave the car at home if you can, walk or cycle, use public transport more often.
- I. Sort
Sorting not only helps to protect the environment but also saves money.
- J. Collect and use rainwater
Rainwater is free. All you have to do is collect the water in appropriate tanks or containers and it can be used for watering your garden or vegetable garden.



Šaltiniai

Energetinis efektyvumas namams (Ignitis): <https://ignitis.lt/energetinis-efektyvumas-namams>.

Passivhaus: <https://passivehouse.com/>.

The future of renewable energy is making it look cool: <https://www.youtube.com/watch?v=BBFBODPndPI>.

What is Passivhaus? The gold standard in energy efficiency: <https://energysavingtrust.org.uk/passivhaus-what-you-need-know/>.